



SUBSTITUTED TECHNOLOGY CHECKLIST

| | | |
|----------------------------------|---|---------------------------------|
| System ID No.: | Owner: | Oper./Mgr.: |
| Type of System: | Address: | Address: |
| Date (System Check): / / | City: State: ZIP: | City: ZIP: |
| County: | Telephone: () | Telephone: () |

Backflow Prevention System

| Site Observation: | Present | | Satisfactory | | N/A |
|---|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| | Yes | No | Yes | No | |
| Gooseneck pipe loop | <input type="checkbox"/> | <input type="checkbox"/> | | | <input type="checkbox"/> |
| • Located in main water line downstream of irrigation pump | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| • Bottom side of pipe loop apex >30" above highest water emitting device | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| • Air/vacuum relief valve at the apex of the pipe loop | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| • Pesticide injection port located downstream of the pipe loop apex | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| • Injection port located >30" below bottom side of the pipe loop apex | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Air gap system (≥4x of fill pipe diameter above highest possible reservoir level) | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |
| Water source higher than any part of the irrigation system | | | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> |

Product Injection System

| | | | | | |
|---|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Venturi System | | | | | <input type="checkbox"/> |
| • Booster or auxiliary pumps interconnected with system interlock | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| • Venturi constructed of pesticide-resistant material | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| • Option 1: Venturi system inserted directly into main water line | | | | | <input type="checkbox"/> |
| Product line from supply tank to the venturi contains a: | | | | | |
| ♦ functional, automatic, quick closing check valve | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| ♦ check valve located immediately adjacent to venturi product inlet | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| ♦ normally closed solenoid-operated valve connected to system interlock or a normally closed hydraulically operated valve | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| • Option 2: Venturi system installed in a bypass system | | | | | <input type="checkbox"/> |
| Bypass system contains a: | | | | | |
| ♦ functional, automatic, quick closing check valve in product line | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| ♦ check valve installed immediately upstream of venturi water inlet | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| ♦ normally closed solenoid or hydraulically operated valve installed immediately downstream of venturi water outlet | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |
| Human Interlock and Metering System (Fertigation only) | | | | | <input type="checkbox"/> |
| • Individual is continuously present, alert, and knowledgeable about system | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | <input type="checkbox"/> | |

Inspector's Comments, Required Action, and Alternative Devices

The Washington State Department of Agriculture may exempt specific irrigation systems or locations from antipollution safety device requirements as specified in WAC 16-202-1001, Chemigation, and WAC 16-202-2001, Fertigation. Approved alternative technology must meet the function of each waived requirement (Statutory Authority: Chapters 15.58 and 17.21 RCW). The responsible applicator must ensure that all antipollution prevention devices are compliant with current state law.

Comments

| |
|--------------|
| |
|--------------|

Required Action

| |
|--------------|
| |
|--------------|

| | | | |
|------------------------------|--|---|---|
| Inspector's Signature: _____ | <input type="checkbox"/> Initial Check <input type="checkbox"/> Revisit | Reinspection No.: Reinspection Date: / / | <input type="checkbox"/> Approved As-Is |
|------------------------------|--|---|---|